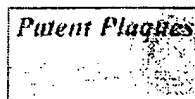




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JP2096109A2: ENDOSCOPE

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Country: **JP** Japan

Kind:

Inventor(s): **SEKINO NAOKI**

Applicant(s): **OLYMPUS OPTICAL CO LTD**
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Issued/Filed **April 6, 1990 / Oct. 3, 1988**

Dates:
Application **JP1988000249390**

Number:
IPC Class: **G02B 23/26; A61B 1/00;**

Abstract: **Purpose:** To illuminate and observe without connecting with an illuminat-light source device by converting peripheral light into fluorescence in visible light region and constituting an illuminating light transmission means with a fluorescent plastic optical fiber which transmits this fluorescence from a tip to an illuminating optical system.

Constitution: A light guide 14 constituted of the plural fluorescent plastic optical fibers is incorporated in an outer cover 12 and ambient light is absorbed the light guide 14. The absorbed ambient light excites the fluorescent plastic optical fibers and emits fluorescence. Simultaneously the title endoscope is constituted so as to transmit this generated fluorescence to the tip side of an inserting part 2 to be emitted. By the endoscope 1 constituted in such a manner, at the time of inserting the endoscope 1 and observing light absorbed in the light guide 14 always emits fluorescence and fluorence is emitted from an emitting window 5 at the tip of the inserting part 2 and illuminates an object. Thus, illuminating and observing are attainable without an illuminating light source device.

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Other Abstract none

Info:
Foreign (No patents reference this one)

References:



Alternative



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